Author Index to Volume III

Adams, S. T.: See Tang, P. C. L.

Badalamenti, A. F.: Brainstorming by Computer, 85
Banerjee, P.: See Montreuil, B.
Baum, L. S.: See Jagannathan, V.
Benjamin, D. P.: Using a Metatheory as a Functional Representation, 295
Biegl, C.: See Sztipanovits, J.
Bourne, J. R.: Editorial: Current Issues in Knowledge Representation, 211
Bourne, J. R., Cantwell, J., Kawamura, K., Kinzer, C., Li, X., DeBrock, L., Jiang, J., Vargas, J., and Miyasaka, N.: Intelligent CAI in Engineering: Knowledge Representation Strategies to Facilitate Model-Based Reasoning, 213
Bruck, J., and Sanz, J.: A Study on Neural Networks, 59
Buckley, J. J., and Tucker, D.: The Utility of Information and Risk-Taking Fuzzy Expert Systems, 179

Cantwell, J.: See Bourne, J. R.
Cohen, M. E.: See Hudson, D. L.

DeBrock, L.: See Bourne, J. R.
Dodhiawala, R. T., See Jagannathan, V.
Dubois, D., and Prade, H.: The Treatment of Uncertainty in Knowledge-Based Systems Using Fuzzy Sets and Possibility Theory, 141

Epstein, S. L.: On the Discovery of Mathematical Concepts, 167

Fulda, J. S.: Estimating Semantic Content: An *A Priori* Approach, 35

Guth, M. A. S.: Uncertainty Analysis of Rule-Based Expert Systems with Dempster-Shafer Mass Assignments, 123

Hastings, H. M.: See Waner, S.
Hudlická, E.: Construction and Use of a Causal Model for Diagnosis, 315
Hudson, D. L., and Cohen, M. E.: Approaches to Management of Uncertainty in an Expert System, 45

Jagannathan, V., Dodhiawala, R. T., and Baum, L. S.: Boeing Blackboard System: The Erasmus Version, 281
Jiang, J.: See Bourne, J. R.
Jiang, T.-S.: See Rao, M.

Karsai, G.: See Sztipanovits, J.
Kawamura, K.: See Bourne, J. R.
Kinzer, C.: See Bourne, J. R.

Li, X.: See Bourne, J. R.

Miyasaka, N.: See Bourne, J. R.
Montreuil, B., and Banerjee, P.: Object Knowledge Environment for Manufacturing Systems Layout Design, 399
Morishima, A.: See Schaffer, J. D.

Negoita, C.: Review of *Fuzzy Sets and Applications: Selected Papers by L. A. Zadeh,* Edited by R. Yager, S. Ovchinnokov, R. Tong, and H. Nguyen, 203

Prade, H.: See Dubois, D.
Pustejovsky, J.: Constraints on the Acquisition of Semantic Knowledge, 247

Rao, M., Jiang, T.-S., and Tsai, J. J.-P.:IDSCA: An Intelligent Direction Selector for the Controller's Action in Multiloop Control System, 361

Sanchez, E.: Review of *Approximate Reasoning in Expert Systems,* Edited by M. M. Gupta, A. Kandel, W. Bandler, and J. B. Kiszka, 199
Sanz, J.: See Bruck, J.
Schaffer, J. D., and Morishima, A.: Adaptive Knowledge Representation: A Content Sensitive Recombination Mechanism for Genetic Algorithms, 229
Sheu, P. C.: Operation Management in Object-oriented Knowledge Bases, 381
Sztipanovits, J., Karsai, G., and Biegl, C.: Graph Model-Based Approach to the Representation, Interpretation, and Execution of Signal Processing Systems, 269

Tang, P. C. L., and Adams, S. T.: Can Computers Be Intelligent? Artificial Intelligence and Conceptual Change, 1
Tsai, J. J.-P.: See Rao, M.
Tucker, D.: See Buckley, J. J.

Vargas, J.: See Bourne, J. R.

Waner, S., and Hastings, H. M.: History Dependent Stochastic Automata: A Formal View of Evolutionary Learning, 19